October 8, 2008

TO: ALL HYUNDAI DEALER PRINCIPALS/GENERAL MANAGERS:
ALL HYUNDAI DEALERSHIP SERVICE MANAGERS:
ALL HYUNDAI DEALERSHIP PARTS MANAGERS:
ALL HYUNDAI DEALERSHIP SALES MANAGERS:

Subject: **Campaign 085 – 2007/2008 Santa Fe and Veracruz Models – Trailer Hitch Wiring Harness Replacement**

Hyundai Motor America is conducting a Customer Notification Trailer Hitch Wiring Harness Replacement Campaign on certain 2007 and 2008 model year Santa Fe and Veracruz models equipped with port-installed or dealer-installed trailer hitches manufactured by Thule Towing Systems.

Thule Towing Systems has identified that ineffective sealing of the converter module housing may lead to moisture contact with the circuit board, resulting in corrosion. The corrosion could cause a short circuit and heat related damage to the wiring harness converter module, which may cause additional damage to the vehicle. This campaign will provide instructions on completing the repair and submitting the Campaign claim for reimbursement.

In order to identify only those vehicles affected by Campaign 085, it will be necessary to access Hyundai Motor America's "Warranty Vehicle Information" screen via DCS On-line/WEBDCS before the repair is started. The "Warranty Vehicle Information" screen will identify affected vehicles with an open Campaign 085. All in-stock vehicles, if any, must have Campaign 085 completed prior to retailing.

Enclosed with the Service Manager's letter are materials, which were developed for your use: Dealer Letter, five (5) copies of the Technical Service Bulletin (TSB# 08-01-015) containing instructions on performing the service and submitting the campaign claim. TSB #08-01-015 will be available on Hyundai's Website on October 8, 2008.

NOTE: This campaign also applies to vehicles that had the previous recall repair (Campaign 082) made to the Trailer Hitch Wiring Harness.

Customer notification letters will be mailed to all owners of 2007/2008 model year Santa Fe and Veracruz models on Monday, October 13, 2008.

It is IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE SERVICED so your dealership can be compensated for your work and Hyundai can maintain accurate records of campaign completions.

LEGAL LIABILITY NOTICE: You are required to keep confidential any and all information and documents provided to you by Hyundai Motor America in the conduct of carrying out work for this service campaign. Hyundai Motor America dealers may use owner information provided for the campaign only for the purpose of conducting and performing this service campaign, and for no other purpose.

Hyundai appreciates your cooperation and support. Questions may be directed to your District Parts and Service Manager or Warranty HELPREP line at 1-877-446-2922.

HYUNDAI MOTOR AMERICA

MOTOR VEHICLE RECALL

IMPORTANT NEW RECALL NOTIFICATION!

DO NOT DISCARD!

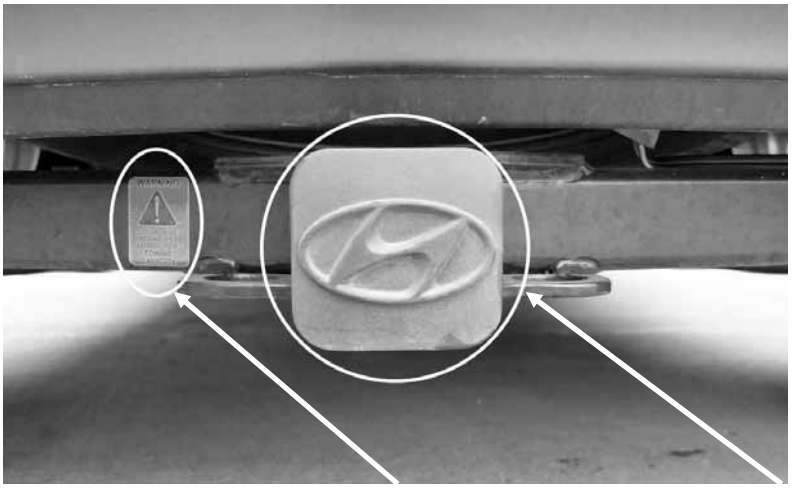
THIS NOTICE APPLIES TO YOUR VEHICLE EVEN IF YOU HAVE HAD A PREVIOUS RECALL REPAIR MADE TO YOUR VEHICLE'S TRAILER HITCH WIRING HARNESS.

Dear 2007 or 2008 Santa Fe or Veracruz Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Hyundai has decided that a defect, which relates to motor vehicle safety, exists in certain model year 2007 and 2008 Hyundai Santa Fe and Veracruz vehicles that are equipped with a distributor-installed or dealer-installed accessory trailer hitch.

This notice applies only to 2007 or 2008 Hyundai Santa Fe or Veracruz vehicles that are equipped with a distributor-installed or dealer-installed accessory trailer hitch as shown below.



The affected hitch can be identified by the warning label and the distinctive end cap provided.

The part numbers of the affected trailer hitches are:

Part Description	Hyundai Part Number
Santa Fe Trailer Hitch	U8610 2B000 and U8610 2B100
Veracruz Trailer Hitch	U8610 3J000

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

MOTOR VEHICLE RECALL

What is the problem?

- The trailer hitch wiring harness converter module may experience heat damage even if it has been previously replaced during a recall repair procedure. Excessive heat may cause damage to the rear bumper area and may potentially result in a fire.

What will Hyundai do?

- To ensure that your vehicle's trailer hitch wiring harness converter module does not experience heat damage, we are asking you to schedule an appointment as soon as possible to take your vehicle to your Hyundai dealer. The Hyundai dealer will install a newly designed trailer hitch wiring harness that contains a redesigned circuit board, improved sealing, and a relocated mounting position. This procedure will be performed at no charge to you.

What should you do?

- We urge you to call your Hyundai dealer to schedule an appointment to have this work performed as soon as possible. Until your vehicle has been repaired, you should not park your vehicle in a garage, car port, or other structure.

What if you have other questions?

- If you have any difficulty having this repair performed, we recommend that you call the Hyundai Customer Assistance Center at 1-800-633-5151. If you are still not satisfied that we have remedied this situation without charge, and within a reasonable amount of time, you may wish to write to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE, Washington, D.C. 20590, or call their toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to http:/ / www.safercar.gov.

We urge your prompt attention to this important safety matter. Hyundai apologizes for any inconvenience that this may cause you, however, your safety and the integrity of your vehicle is our highest concern.

Hyundai Motor America

HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	08-01-015
Date	OCTOBER, 2008
Model	2007-2008 VERACRUZ, SANTA FE

Subject

TRAILER HARNESS REPLACEMENT PROCEDURE - CAMPAIGN 085

CIRCULATE TO:	[ ] GENERAL MANAGER	[X] PARTS MANAGER	[X] TECHNICIAN
[X] SERVICE ADVISOR	[X] SERVICE MANAGER	[X] WARRANTY MGR	[ ] SALES MANAGER

IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES PRIOR TO CUSTOMER RETAIL DELIVERY AND WHENEVER AN AFFECTED VEHICLE IS IN THE SHOP FOR ANY MAINTENANCE OR REPAIR.

IMPORTANT: WHEN A VEHICLE ARRIVES AT THE SERVICE DEPARTMENT, ACCESS HYUNDAI MOTOR AMERICA'S "WARRANTY VEHICLE INFORMATION" SCREEN VIA DCS ON-LINE/WEBDCS TO IDENTIFY OPEN CAMPAIGNS.

THIS CAMPAIGN MUST ALSO BE PERFORMED ON VEHICLES PREVIOUSLY REPAIRED UNDER CAMPAIGN 082

DESCRIPTION:

This Bulletin provides a procedure to replace the trailer hitch module and harness.

AFFECTED VEHICLES :

Model: 2007-2008 Santa Fe (CM) and 2007-2008 Veracruz (EN)

Affected vehicle range: Vehicles identified as affected by campaign 085 that are equipped with previous design trailer hitch control modules. Other vehicles equipped with a port installed or a dealer installed trailer hitch and previous design trailer hitch control module, and vehicles equipped with trailer hitch control modules replaced under Campaign 082.

NOTE: PREVIOUS DESIGN TRAILER HITCH CONTROL MODULES ARE MOUNTED ON THE REAR BUMPER BEAM. ALL PREVIOUS DESIGN TRAILER HITCH MODULES, MUST BE REPLACED WITH MODULE THAT MOUNT UNDER THE VEHICLE.

Santa Fe

Veracruz

INDEX

SECTION	VEHICLE SERVICE PROCEDURE	PAGES
1	Santa Fe Trailer Harness with Factory Connectors	5 - 10
2	Santa Fe with ”Direct to Battery” harness	11 - 27
3	Veracruz Factory Connectors-All Vehicles	28 - 33

NOTE: Two (2) types of trailer hitch wiring circuits have been installed on the 2007-2008 Santa Fe. The type of circuit will determine the proper service procedure. Look inside the driver side rear quarter behind the rear wheel to determine which procedure is appropriate for each vehicle.

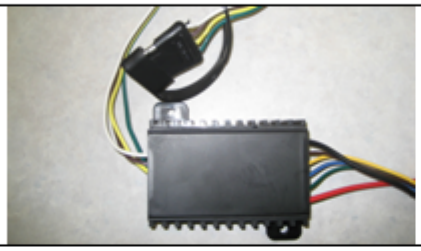
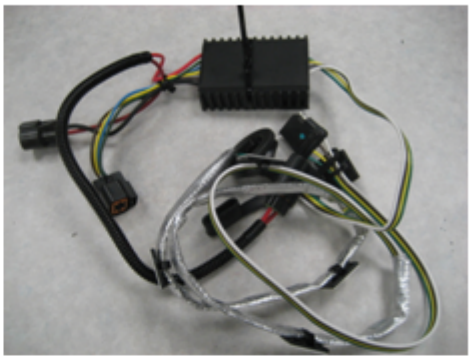
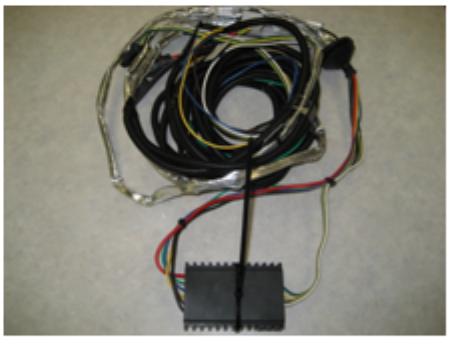
Direct To Battery
(No Harness)

Direct To Factory Connectors
(Harness)

TOOLS REQUIRED

- 10mm Socket
- Ratchet handle
- Wire cutters
- Heat gun
- 14mm Socket
- 10mm end Wrench
- Phillips screw driver

PARTS REQUIRED:

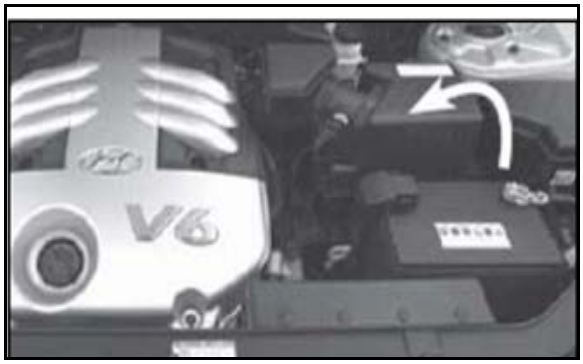
	Previous	New
Part #	U8612 2B001/U8612 2B000	U8612 2B002
Santa Fe Direct to Factory Connectors		
Part #	U8614 2B001/U8614 2B000	U8614 2B002
Santa Fe Direct to Battery		
Part #	U8612 3J000/U8612 3J001 (Bare Module)	U8612 3J002 (Foam Covered Module)
Veracruz Direct to Factory Connectors		

1. SANTA FE TRAILER HARNESS WITH FACTORY CONNECTORS - SERVICE PROCEDURE

1A. REMOVAL OF THE EXISTING TRAILER HITCH HARNESS

Record all preset radio stations.

Use a 10mm socket to disconnect the negative terminal on the battery.



CAUTION: Failure to disconnect the battery may cause damage to the new replacement trailer hitch control module.

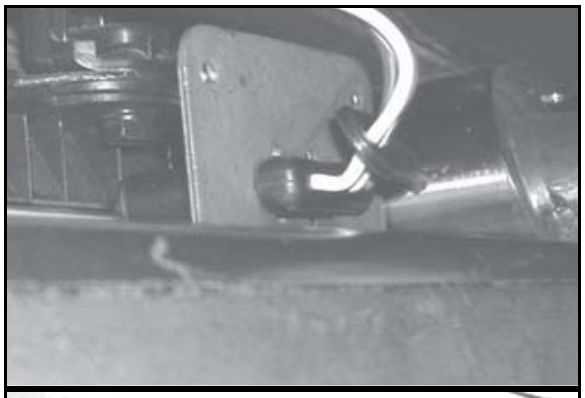
Carefully disconnect the two trailer hitch harness connectors located on the driver's side, behind the rear wheel next to the muffler.

After disconnecting the trailer harness, push the grommet, factory wires and connectors through the grommet hole.

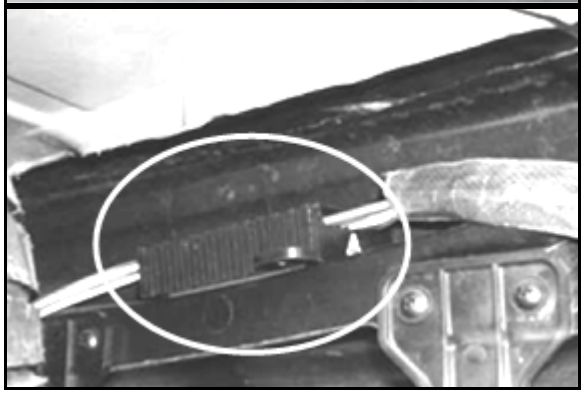
IMPORTANT: If no connector is present, skip to the Direct to Battery Service Procedure #2 on page 11.

Remove all anchors with a flat head screw driver by prying from behind the anchors.

Remove the harness from the trailer hitch.



Remove the trailer hitch control module and harness by grasping the module by the hand and gently rotating it back and forth until the adhesive separates from the bumper reinforcement.



NOTE: Removed modules/harnesses MUST be returned to the WTC. Do not damage the module. Do not cut the attached wire harness.

1B. INSTALLATION OF NEW TRAILER HITCH HARNESS

Open rear hatch. Remove the rear bumper facia by removing all screws.

- 5 Phillips head screws on each side of wheel well.

- 3 expansion fasteners below each side of bumper

- Remove Phillips head screws near the rear tail light on each side.

- Remove 4 bolts underneath the bumper between the 2 mufflers.

NOTE: Starting from the wheel well, carefully pull bumper facia away from vehicle and store to prevent paint damage.

On left (driver's) rear side of vehicle, remove the Pressure Relief Vent (PRV) by lifting up the top flap and use fingers to unhook the locking tabs on the top of the vent.

CAUTION: Take care not to damage the PRV locking tabs.

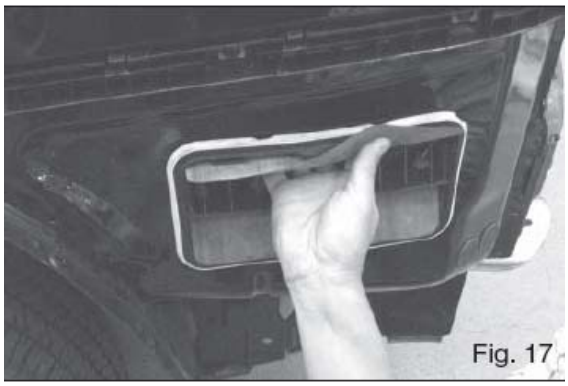
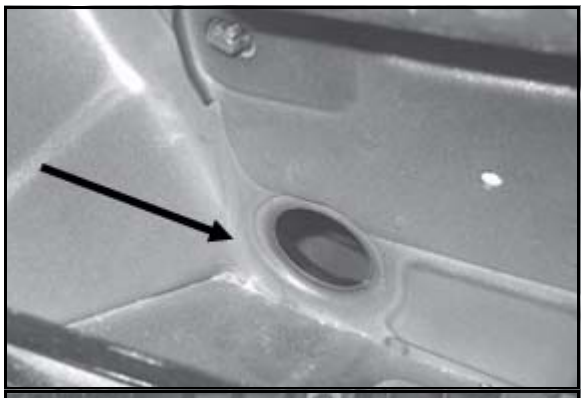


Fig. 17

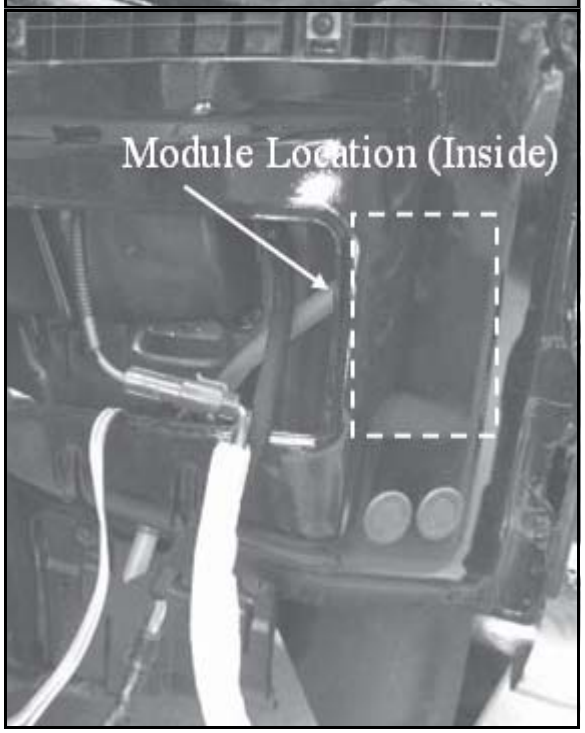
Locate the grommet beneath the lower body panels near the left (driver's) side muffler.

Route factory trailer hitch harness connectors into the hole by inserting the connectors into the hole.



Before placing the new control module in the new location, connect the 2 connectors previously pushed through the grommet hole inside the PRV cavity to the module inlet connectors.

Clean inner flat surface of 'D' pillar as shown in the picture with provided alcohol pad.



NOTE: DO NOT REMOVE tie wrap around the module and adhesive.

Peel the adhesive paper backing off the module. With the grommet side down, firmly press the module in place.

Route the trailer module connector with the reflective coating through the previous grommet hole and out underneath the vehicle.

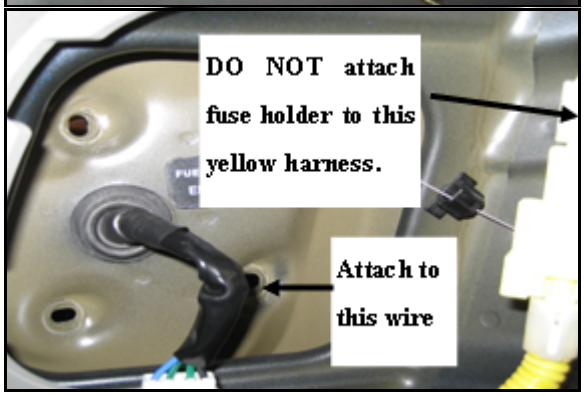
Assure the seal of the grommet to the sheet metal hole.

Route a fish wire down from the tail light access panel inside the left rear (driver's) side interior trim panel. Follow the existing vehicle wiring next to the side curtain airbag cylinder and down into the pressure relief vent opening.

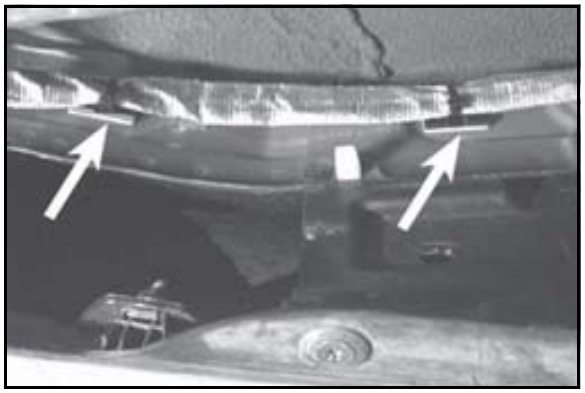
Attach the trailer harness fuse holder to the fish wire and carefully pull the fuse holder into the tail light access panel while guiding with fingers up from the bottom.

Secure the trailer harness fuse holder to the existing vehicle wiring using a provided cable tie.

CAUTION: DO NOT secure fuse holder to yellow air bag wire harness.



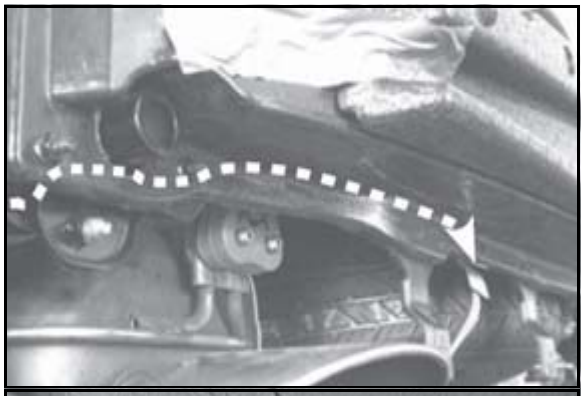
Route the 4 wire connector with the reflective coating rearward toward the left rear (driver's) side muffler hanger, staying above the lower bumper bracket bolt.



Clean surface with provided alcohol pads then apply the 2 anchors onto the location as shown in the picture.

Using a heat gun, apply heat to each anchor point for 1 minute to cure the adhesive.

Route harness above the muffler hanger.

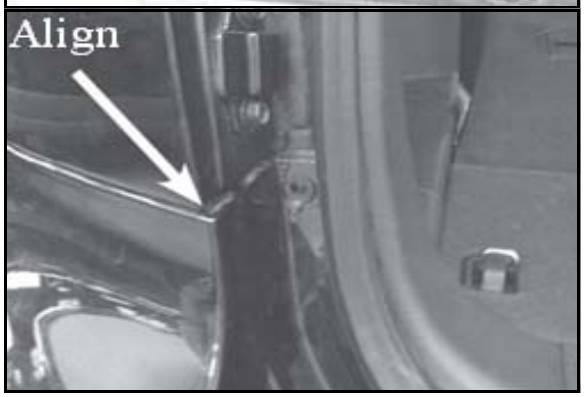


Secure the foam bumper backing onto the composite bumper reinforcement structure with a small piece of tape on each side to hold in position.

Clean surface above the bumper reinforcement bar. Apply the anchors and cure the adhesive with the heat gun as previously stated.

Replace Pressure Relief Vent. Ensure the flaps hang down.

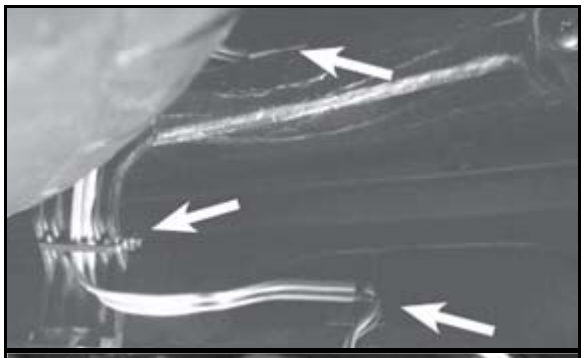
Replace rear bumper facia by securing with all the screws. First align bumper facia by the body panel just below the tail lights.



Continue routing the trailer wiring harness 4 pin connector down the bumper support bracket.

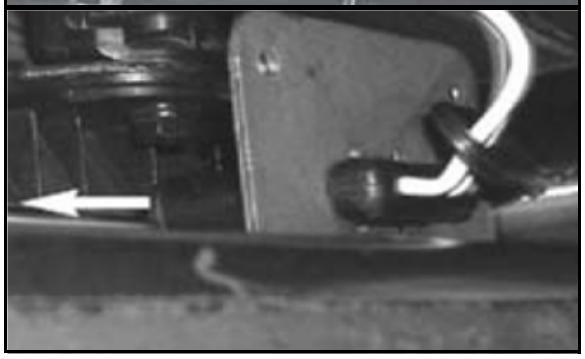
Clean the bumper support bracket with provided alcohol wipe.

Apply the anchors and cure the adhesive with the heat gun as previously stated.



Remove the dust cover and carefully push the 4 pin connector through the connector mounting bracket from under the vehicle until it snaps in place.

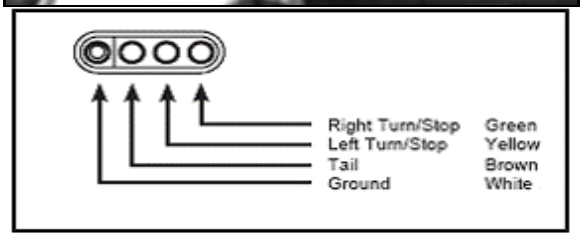
Cover the plug with the dust cover.



Reconnect the negative battery cable.

Reset all recorded radio stations.

Check the 4 wire connector per the flow chart in the installation instructions for correct operation.



WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME
Hitch02	Sante Fe Replace Controller Harness-Factory Connector	1.0

NOTE: Submit claim using the campaign claim screen.

2. SANTA FE WITH "DIRECT TO BATTERY" HARNESS - SERVICE PROCEDURE

2A. Removal Of Existing Trailer Hitch Harness

Record all preset radio stations.

Use a 10mm socket to disconnect the negative terminal on the battery.

CAUTION: Failure to disconnect the battery may cause damage to the new replacement trailer hitch control module.

Raise rear hatch door and remove the wiring harness access cover from the interior trim panel located on the left of the vehicle.

Using a 10mm socket, remove the 3 fasteners securing the tail light to the vehicle.

Carefully pull the tail light away from the vehicle and do not allow the tail light to hang.

Repeat for right side of vehicle.

Cut Yellow, Brown, Blue w/Black stripe wires 2 inches away from wire taps on the left tail light. (Shown in Photo)

Cut the Green wire 2 inches away from the wire taps on the right tail light. (Not shown)

Remove old trailer harness from vehicle.

Seal the original vehicle harness by placing one of the short heat shrink tubes over the end of each of the cut wires. (total of 4 heat shrink tubes)

Pinch tube ends and heat the shrink tube with a heat gun to seal the tube to the wire.

Repeat for all wires cut. (Brown, Yellow, Blue w/ Black stripe on the left and Green on the right.)

NOTE: The end of the shrink tube extending past the end of the wire must seal flat to keep moisture out.

Remove black ground wire ring terminal from the muffler heat shield.

Reminder: Make sure that the battery cable has been disconnected prior to cutting red wire.

Cut red wire near heat wrap as shown.

Remove the trailer hitch control module and attached harness that is placed inside the bumper structure by gently rotating back and forth until the adhesive breaks away. Remove all the anchors by prying off with a flat head screw driver.

NOTE: Removed modules/harnesses MUST be returned to the WTC. Do not damage the module. Do not cut the attached wire harness.

Completely clean and remove all remaining adhesive tape from the top of the rear bumper reinforcement.

Remove all the wire ties securing the red 12 gauge power wire to the underside of the vehicle.

From the position near the vehicle battery, carefully disconnect the trailer module's red 12 gauge wire and remove from the vehicle.

2B. INSTALLATION OF NEW TRAILER HITCH HARNESS

Remove the rear bumper facia by removing all screws.

-5 Phillips head screws on each side of wheel well.

Remove the lower expansion fastener (push pin) securing the wheel well liner to the bumper cover. The same fastener is used to hold mud guard in place (if installed).

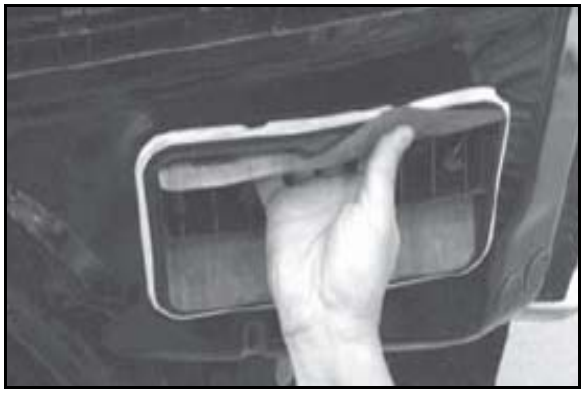
-3 expansion fasteners below each side of bumper

-Remove Phillips head screws near the rear tail light on each side.

-Remove 4 bolts, using a 10 mm socket, underneath the bumper between the 2 mufflers.

NOTE: Starting from the wheel well, carefully pull bumper facia away from vehicle and store to prevent paint damage.

On left (driver's) rear side of vehicle, remove the Pressure Relief Vent (PRV) by lifting up the top flap and use fingers to unhook the locking tabs on the top of the vent.

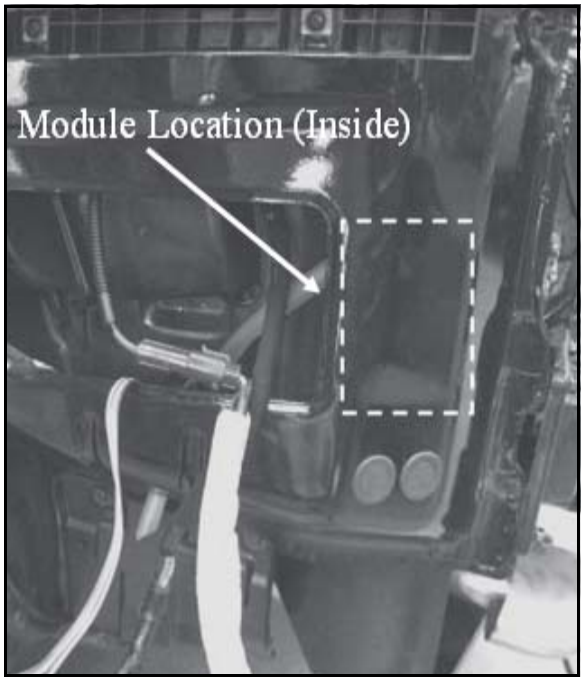


CAUTION: Take care not to damage the PRV locking tabs.

Install new control module by connecting the 2 connectors inside the cavity.

Clean inner flat surface as shown in the picture with provided alcohol pad.

Peel the adhesive backing off the module. With the grommet side down firmly press the module in place.

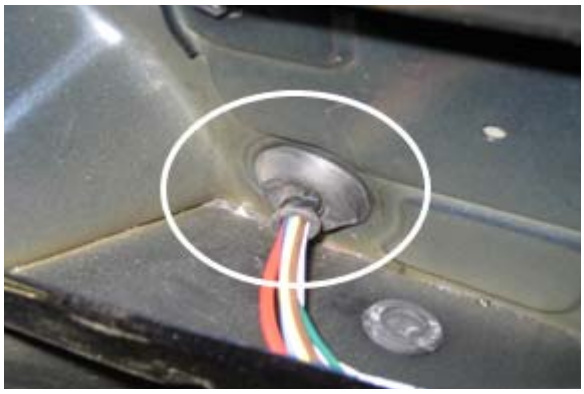


NOTE: Revised control module has a tie around the module and adhesive backing.

Locate the blind grommet beneath the lower body panel near the left (drivers) side muffler. Remove and discard blind grommet

Route the trailer control module connector with the reflective coating through the grommet hole in the pressure relief opening and out underneath the vehicle.

Assure the seal of the grommet to the sheet metal hole.



Route the 4 wire connector with the reflective coating rearward toward the left (driver's) side muffler hanger, staying above the lower bumper bracket bolt.

Clean surface with provided alcohol pads then apply the anchors onto the location as shown in the picture.

Apply the anchors and cure the adhesive with the heat gun as previously stated.

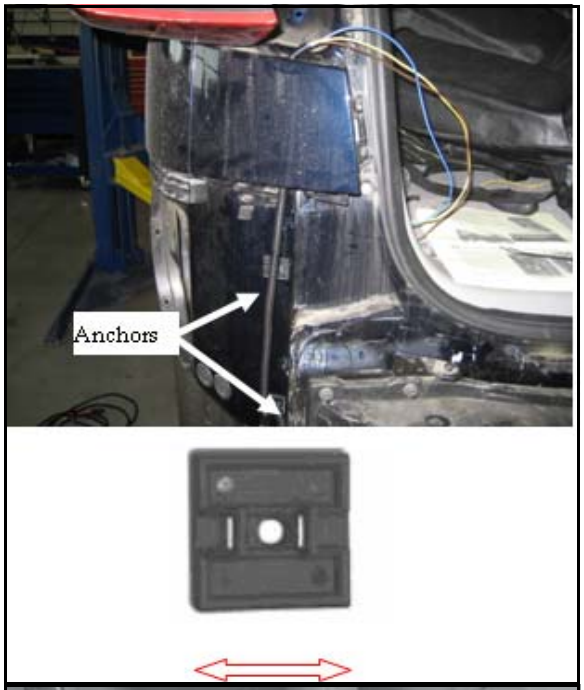
Using a fish wire tool, route the Brown, Yellow and Blue w/Black stripe wires from the grommet under the body, up behind the bumper and out into the left tail light opening as illustrated.

Apply 2 anchors in the location as shown. Prior to applying the anchors, clean the surface with provided alcohol pads.

Apply the anchors and cure the adhesive with the heat gun as previously stated.

Secure the wire harness to the anchors with supplied wire ties.

Anchor orientation as shown in the picture.



Route the harness containing the Green wire across the top of the bumper reinforcement to the right side tail light.

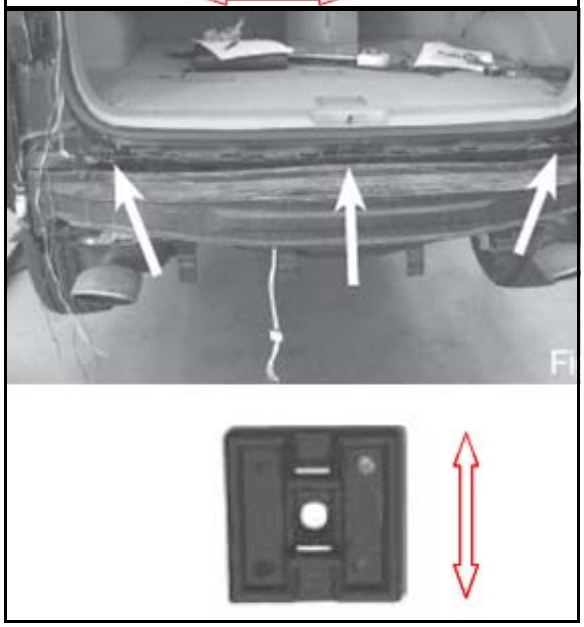
Use the alcohol pads to clean the surface in 3 positions as indicated in the picture. Allow the surface to dry before proceeding.

Remove the protective tape from 3 of the anchor points and mount in the cleaned area.

Apply the anchors and cure the adhesive with the heat gun as previously stated.

Secure the wire harness to the 3 anchors with wire ties.

Anchor orientation as shown in the picture

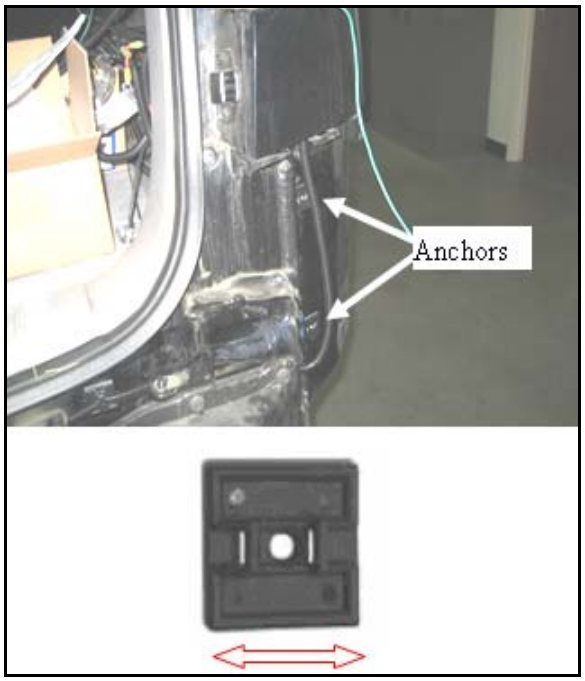


Using the fish wire tool, route the Green wire up and out into the right taillight opening.

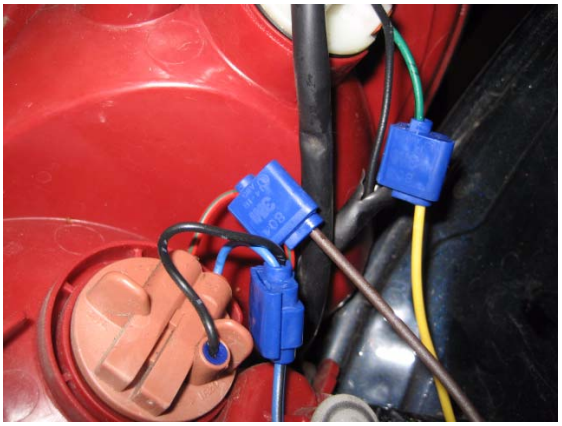
Apply 2 anchors in the location as shown. Prior to applying the anchors, clean the surface with provided alcohol pads.

Apply the anchors and cure the adhesive with the heat gun as previously stated.

Secure the wire harness to the anchors with supplied wire ties . Anchor orientation as shown in the picture.



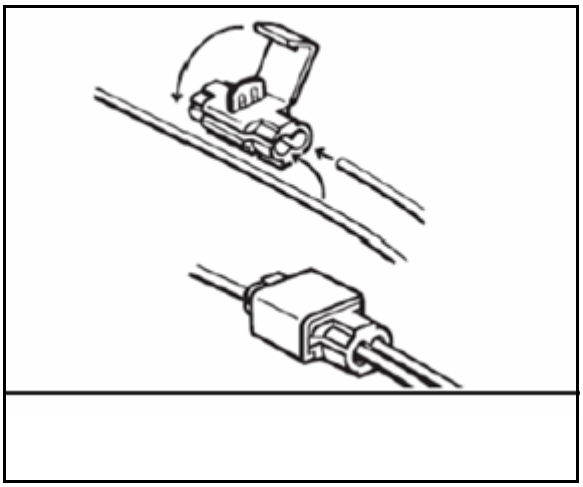
Attach the trailer hitch wiring harness to the rear light wiring cut in the prior steps. Splice the trailer hitch harness wires as listed in the chart below, using the grease filled wire taps provided.



Trailer Harness Wire Color	Cut Harness Wire Color	Function
Brown	Brown	Tail/Running Lights
Yellow	Yellow	Left Turn
Blue w/Black Stripe	Blue w/Black Stripe	Stop Lamps
Green	Green	Right Turn

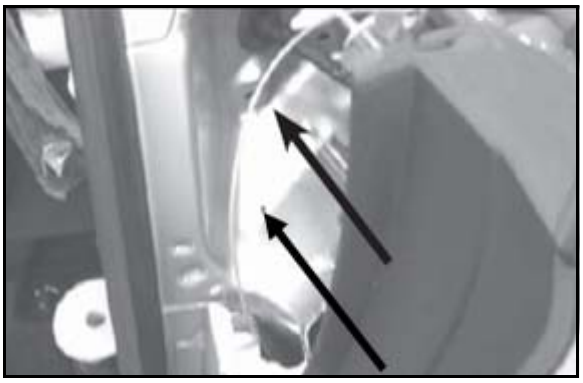
WARNING: Using non grease filled connectors could lead to possible corrosion and light/harness malfunction.

To properly secure the wire tap, open the cover completely and lay the original wire completely into the exposed channel. Insert the trailer harness module wire into the opening up to the stop. With both wires properly positioned inside the wire tap, use a pair of blunt nose pliers to seat the blade and pierce each wire in the wire tap. With the blade secured, close the cover of the wire tap, allowing it to lock in place.



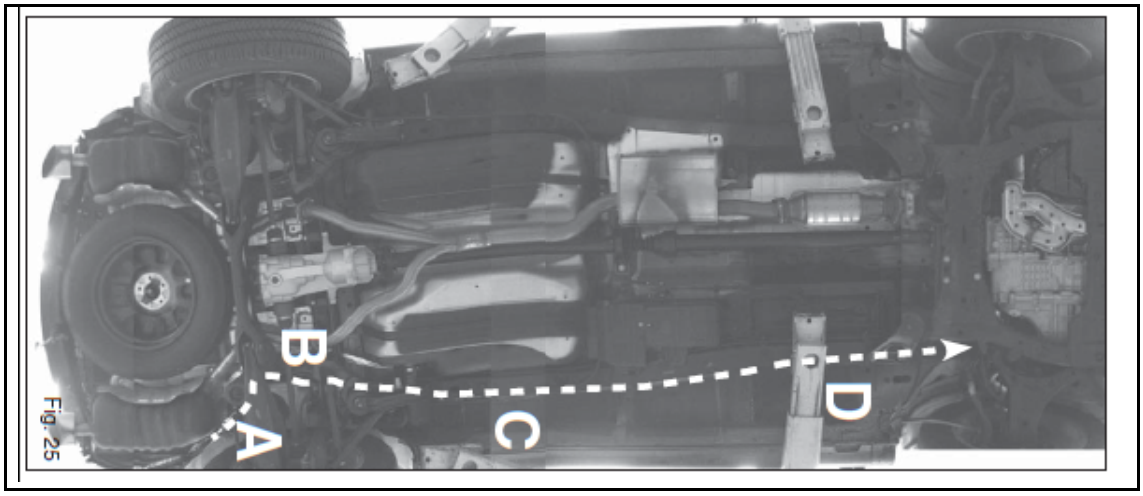
NOTE: Failure to properly secure the wire tap may lead to intermittent operation of the harness and potential electrical system damage.

Position the wires within both tail light openings to avoid cutting or pinching the wires when the tail light assembly is secured.



Using a 10 mm socket reinstall the 3 fasteners securing both the tail lights to the vehicle.

NOTE: Below is an overview of the Wire Path Installation - Module to Battery



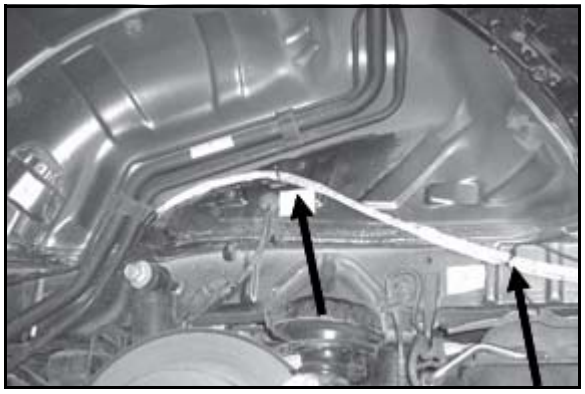
Remove the driver's side rear wheel.

Remove the inner wheel plastic liner by removing the seven flanged plastic nuts using a 14 mm socket and ratchet.

Remove one plastic pin above the brake line. **Wire Path Location A.**

NOTE: Refer to the overview of the Wire Path Installation.

Use the red wire with coverings to route to fuse box in engine area. Route through wheel well as shown. **Wire Path Installation Location A.**

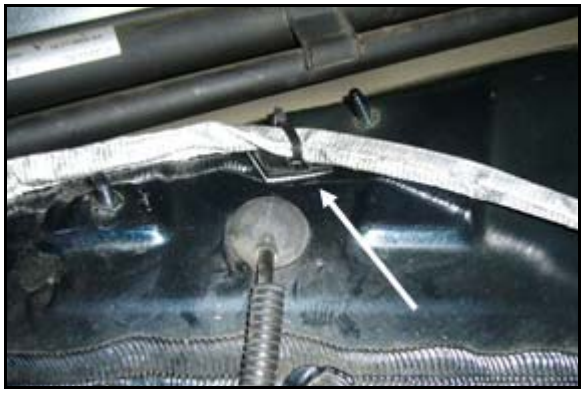


Using the alcohol wipe provided, clean the flat surface above the ABS brake sensor wire, allow the surface to dry before proceeding.

Remove the protective tape from the anchor point and mount in the cleaned area as illustrated.

Using a heat gun, apply heat to the anchor point to cure the adhesive.

Secure the wire harness to the anchor point using the provided cable tie. **Wire Path Installation Location A.**



Secure the Black ground wire to shielded wire harness using the provided cable tie as illustrated.

Using a 10 mm wrench remove the front left nut securing the heat shield above the left muffler.

Position the ring terminal on the black module wire on the exposed stud and replace the nut. **Wire Path Installation Location A.**

Route the harness above the exposed fuel pipe mounting bracket located just above the shock absorber mount bolt. **Wire Path Installation Location A.**

Continue routing the harness between the Emergency Brake cable and above the large fuel filler pipe. **Wire Path Installation Location B.**

NOTE: Refer to the overview of the Wire Path Installation.

Secure the harness to the lower brake line using the provided cable tie. Locate tie in front of the brake line support bracket as shown. **Wire Path Installation Location B indicated in photo.**

Route harness above the fuel pump plastic cover and secure using the provided cable tie to the lower brake line at corner of the pump cover. **Wire Path Installation Location C indicated in photo.**

NOTE: Note: Refer to the overview of the Wire Path Installation.

Continue to route the harness on the inside of the frame rail and secure to brake line using a provided cable tie just behind the bracket supporting the brake and fuel lines as illustrated. **Wire Path Installation Location C indicated in photo.**

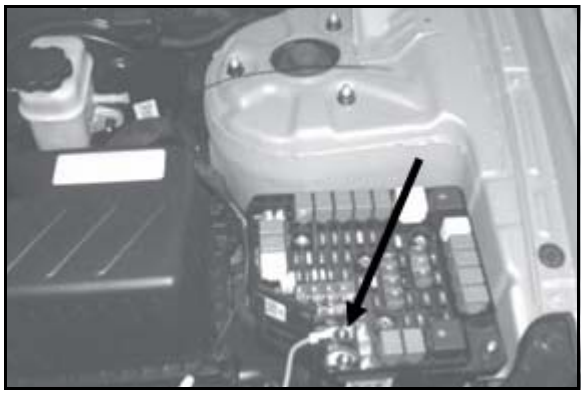
Route the harness along the brake line and secure using provided cable tie to the bracket supporting the brake and fuel lines. **Wire Path Installation Location D indicated in photo.**

Continue to route the harness between the engine sub frame and under the frame rail, and secure with provided cable tie to lower brake line beside the sway bar. **Wire Path Installation Location D indicated in photo.**

Route harness upwards along the brake line into engine compartment and secure with provided cable tie at the brake line bracket as illustrated. **Wire Path Installation Location D indicated in photo.**

CAUTION: Make sure the harness does NOT contact or interfere with the steering column boot.

At the front of the vehicle with the in-line15 amp fuse REMOVED, attach the ring terminal on the end of the Red 12 gauge power wire to the inboard stud in the power distribution center using a 10 mm socket. Tighten securely to ensure a proper connection. Replace the fuse box cover. **Wire Path in Engine Compartment indicated in photo.**



CAUTION: Failure to properly tighten this fastener may result in intermittent operation and or damage to the vehicle's electrical system and or the trailer wiring harness.

Secure the harness fuse holder cover bracket to the wire harness in front of the battery using the provided cable tie as illustrated. **Wire Path in Engine Compartment shown in photo.**

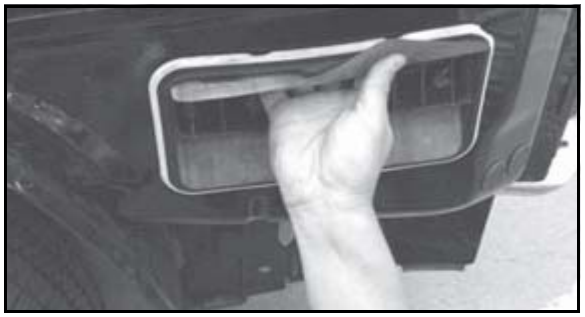
Route the harness through the two air filter securing clips as illustrated. **Wire Path in Engine Compartment shown in photo.**

Bundle up the excess wire and secure to the brake line using provided cable tie as illustrated. **Wire Path in Engine Compartment shown in photo.**

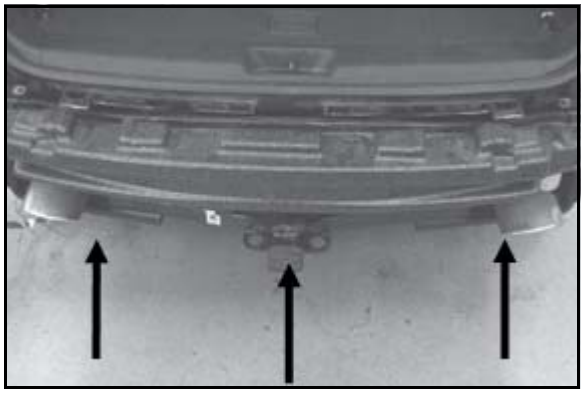
Reinstall the wheel liner with the seven plastic flange nuts using a 14 mm socket and ratchet and install the plastic push pin.

Replace the left rear wheel assembly. Torque the lug nuts to 89-108 Nm, (9-11 Kgf-m, 65-79 lb-ft).

Replace the Pressure Relief Vent cover to its proper position, ensuring that the rubber flaps are pointing down.



Reseat the foam bumper backing onto the composite bumper reinforcement structure, using a small piece of tape on each end of the foam to hold in position during reassembly.

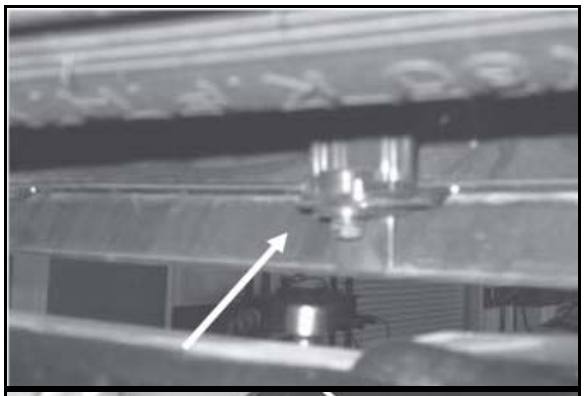


Align the bumper cover to the rear of the vehicle and carefully press into place.

Adjust the bumper cover left and right, aligning with the body panel just below the tail lights. (driver side shown)

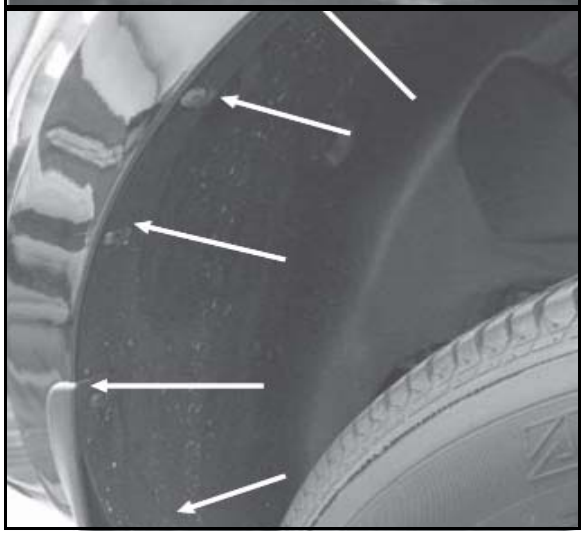
Replace the two shoulder screws (one per side) securing the bumper cover to the rear body near the tail lights.

Replace the four bolts securing the bumper brackets to the bumper cover.



Replace the five Phillips head screws securing the bumper cover to the wheel openings on each side of the vehicle.

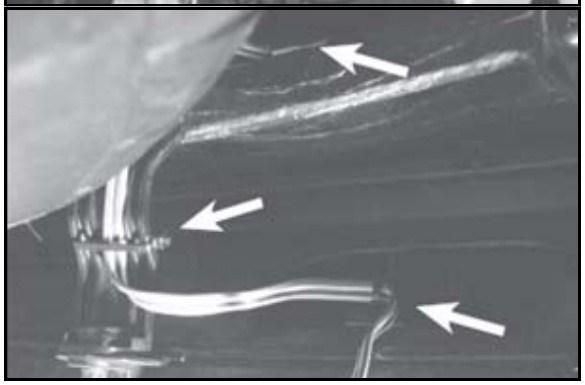
NOTE: If equipped, install the mud guards during this step, using the bottom two screws. An additional fastener is located below the mud guard, inserted vertically.



Replace the six (three per side) expansion fasteners, securing the bumper cover to the lower body panels near the mud guards.

Continue routing the trailer wiring harness 4-pin connector across the top of the bumper reinforcement and down along the bumper support bracket.

Clean the bumper support in the illustrated positions with a provided alcohol wipe. Pull the backing from the last two cable anchors and mount to the bumper support as illustrated.



Apply the anchors and cure the adhesive with the heat gun as previously stated.

Secure the wire to the bumper support bracket with a supplied cable tie as illustrated.

Once the trailer hitch has been installed, remove the dust cover and carefully push the 4 pin connector through the connector mounting bracket from under the vehicle until it snaps in place.

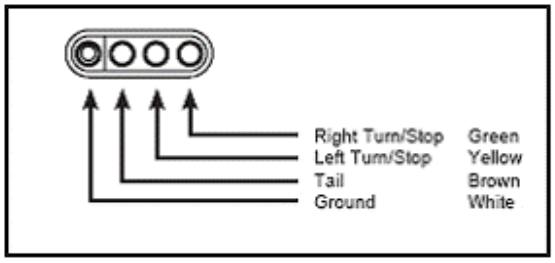
NOTE: Note: Attach the dust cover from the 4- pin connector after mounting the connector to the bracket.

Using a 10 mm socket, attach the (-) battery cable to its original position on the negative (-) battery post.

Insert the 15 Amp fuse in the in-line fuse holder on the harness red power wire near the battery.

Reset all recorded radio stations.

Check the 4 wire connector per the flow chart in the installation instructions for correct operation.



WARRANTY INFORMATION:

OP Code	Operation	Op Time
HitchT03	Santa Fe Replace Controller Harness- Direct To Battery	1.4 hr.

NOTE: Submit claim using the campaign claim screen

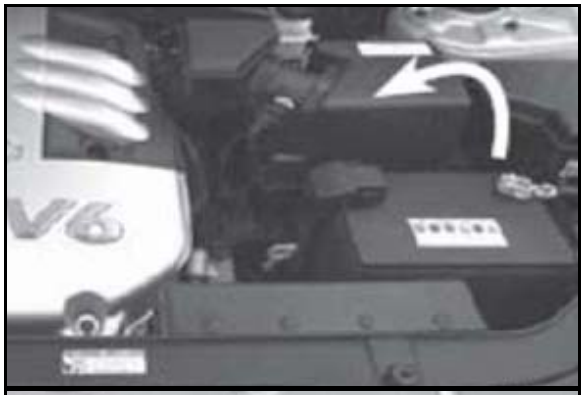
3. VERACRUZ FACTORY CONNECTORS SERVICE PROCEDURE - ALL VEHICLES

3A. REMOVAL OF EXISTING TRAILER HITCH HARNESS

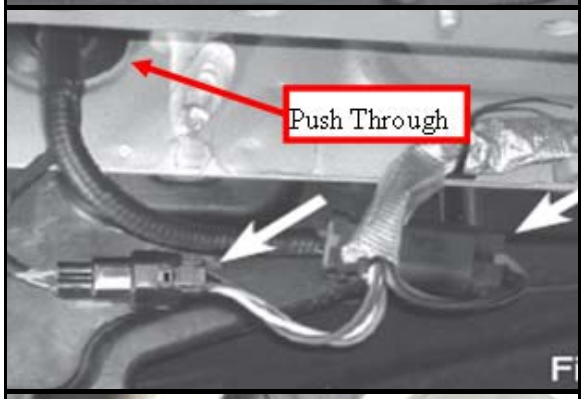
Record all preset radio stations.

Use a 10mm socket to disconnect the negative terminal on the battery.

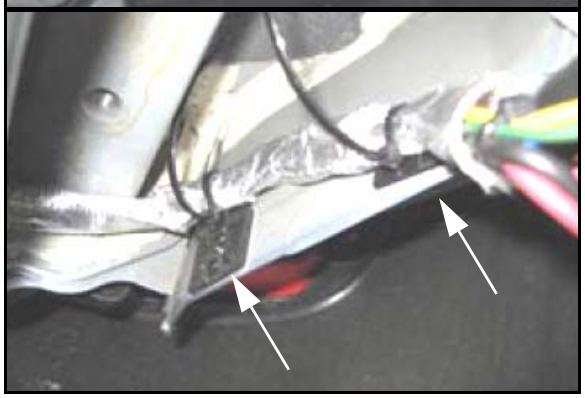
CAUTION: Failure to disconnect the battery may cause damage to the new replacement trailer hitch control module.



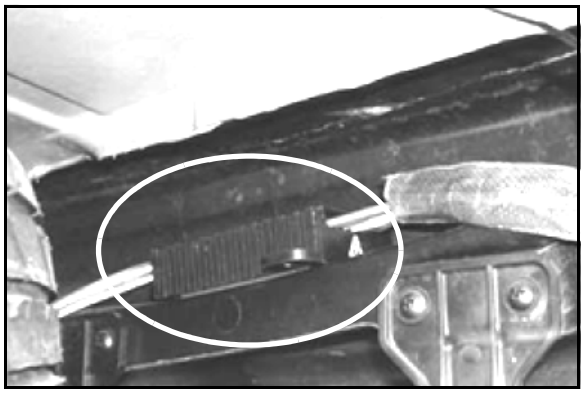
Disconnect the 2 connectors on the trailer hitch wiring harness located on the right (passenger) side, behind the rear wheel next to the muffler. At this location, push the grommet and connectors through the hole in the inside body panel.



Remove the underbody trailer hitch wiring harness and all anchors with a flat head screw driver by prying from behind the anchors.



Remove the trailer hitch control module and harness by grasping the module by hand and gently rotating it back and forth until the adhesive separates from the bumper reinforcement.



NOTE: Removed modules/harnesses MUST be returned to the WTC. Do not damage the module. Do not cut the attached wire harness.

3B. INSTALLATION OF NEW TRAILER HITCH HARNESS

Open the tool tray and temporarily remove the jack assembly and foam liner out of the tray.

With cargo door open, remove the tool tray by unscrewing the 3 screws securing the tray. One screw on left side, one in the middle, one under the jack assembly foam liner.

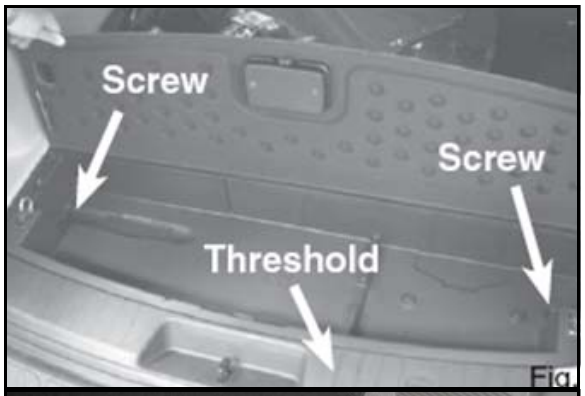
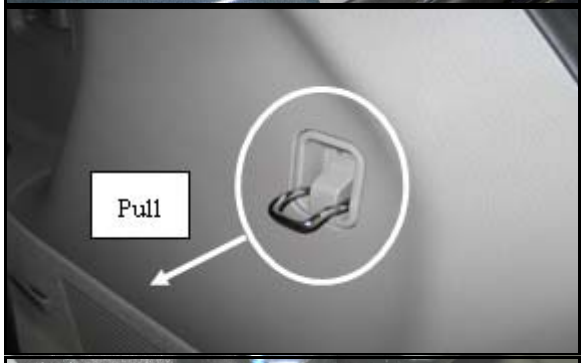


Fig.

Use a trim tool and pry up the sill panel to remove.

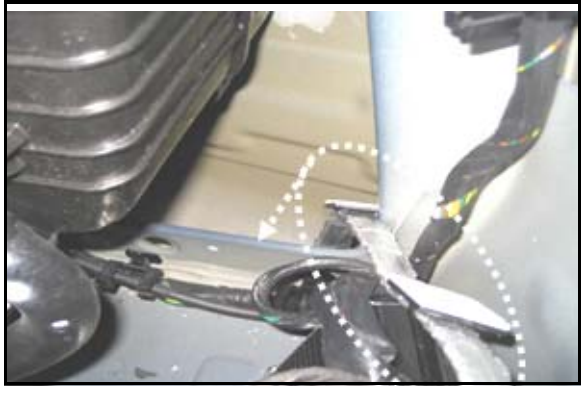
Remove Phillips head screw securing the lower corner of the side interior panel on the passenger side near the sill plate.

Pull panel apart by using this cargo anchor.

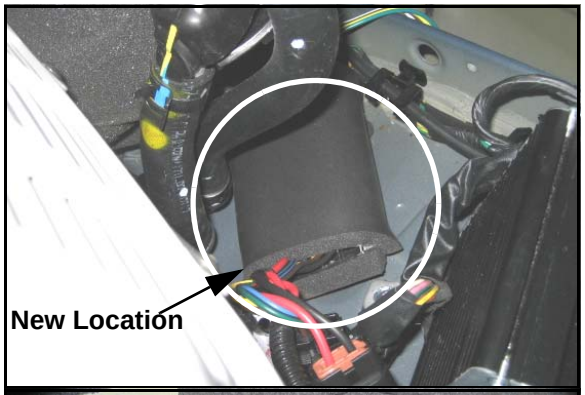


Reach into opening and locate the vehicle harness connectors.

Route the trailer hitch module's 4 pin connector out the bottom of the vehicle through the grommet hole. Push the grommet located on the 4 pin connector harness all the way through the hole.



Connect the new trailer hitch module's connectors to the vehicle tow hitch connectors. Press connectors firmly together until the locking tabs engage. Use the provided alcohol wipes to clean the flat surface as shown, before applying the module into its location. Remove the tape backing and stick to surface.



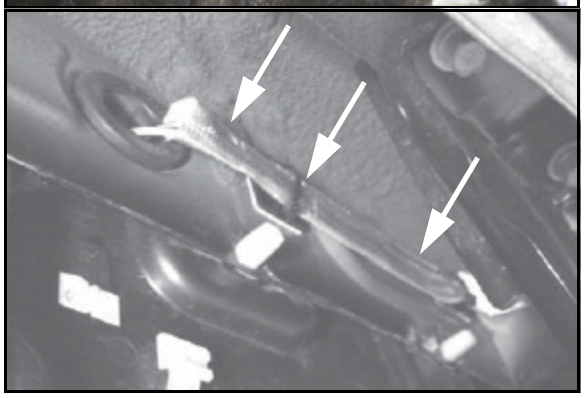
From underneath the vehicle, seat the grommet found on the 4 pin connector harness into the opening. Confirm that the grommet seals to body.

Route the 4 pin trailer connector harness rearward toward the right (passenger) side muffler hanger, staying above the lower bracket bolt.

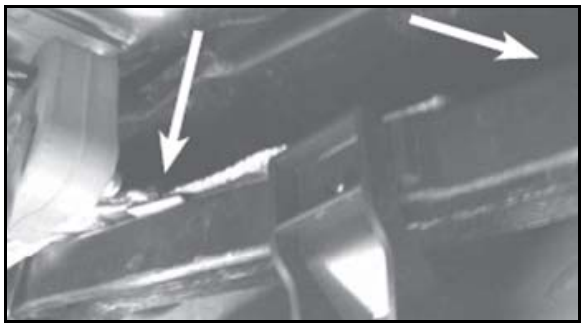
Clean the area behind each of the anchor points on the connector harness with the alcohol wipes provided.

Carefully remove the paper backing from each anchor point and secure to the cleaned area.

Using a heat gun, apply heat to each anchor point for 1 minute to cure the adhesive.



Continue routing the 4 pin connector trailer wiring harness across the top of the bumper reinforcement and down along the bumper support bracket.



Clean the area behind each of the anchor points with the provided alcohol wipes and cure adhesive with heat gun as previously stated.

Secure the cable to the bumper support bracket using a supplied wire tie.

Remove the dust cover and carefully push the 4 pin connector through the connector mounting bracket from under the vehicle until it snaps in place.

Secure the fuse holder to the existing vehicle wiring using a cable tie to allow it to be accessed from underneath the tool tray.

Return the right side interior trim to its original position. Replace the Phillips head screw to the lower corner of the trim panel.

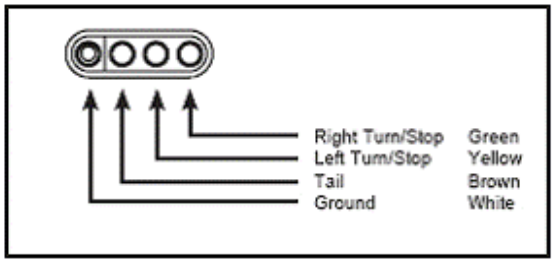
Press the sill panel firmly into its original position. Use a trim panel tool to ensure the weather seal is not pinched under the sill panel.

Return the tool tray to its original position by securing with the 3 Phillips head screws inside the tray. Replace the foam liner and the jack assembly.

Reconnect the negative battery cable with a 10 mm socket.

Reset all recorded radio stations.

Check the 4 pin connector per the flow chart in the installation instructions for correct operation.



WARRANTY INFORMATION

OP Code	Operation	OP Time
HitchT01	Veracruz - Replace Controller Harness	0.9 hr.
HitchT02	Santa Fe - Replace Controller Harness	See page 10
HitchT03	Santa Fe - Replace Controller Harness	See page 27

NOTE: Submit claim using the campaign claim screen